

HISTORY KEPT YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		ILLINOIS HIGHWAY INFORMATION SYSTEM STRUCTURE INFORMATION AND PROCEDURE MANUAL	
NBIS REQUIRED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		ITEM NAME STRUCTURAL EVALUATION	ITEM NO. 67 PAGE 1 of 2 EFF. DATE 07/01/02
		ISIS	MMIS
RESPONSIBLE FOR UPDATE	Computer Generated		N/A
STRUCTURES	All		N/A
UPDATE SCREENS	None		N/A
INQUIRY SCREENS	(4) Inspection / Appraisals		(2) Inspection - 1 of 2

DESCRIPTION AND PURPOSE OF ITEM

The appraisal rating is based on the condition rating of Item 59 - Superstructure, Item 60 - Substructure, and Item 66 - Inventory Rating. This item generally is coded no higher than the lowest condition rating of the superstructure or the substructure. The code is also based on the value obtained from Table 1 which evaluates the inventory rating (HS equivalent) shown for various traffic volumes.

History is retained for this item based on each Inspection Date - Item 90. Though the value may be recalculated nightly for other uses within the ISIS database, the nightly value is not specifically retained unless an Inspection record (particularly an Item 90 Inspection date) is entered into the database.

CODE AND SCREEN ENTRY INSTRUCTIONS

DO NOT CODE - This item is computer generated using the following procedures:

For other than culverts, the lowest of the codes obtained from Item 59 - Superstructure, Item 60 - Substructure, or Table 1 is used.

For culverts, the lowest of the codes obtained from Item 62 - Culverts, or Table 1 is used.

Table 1 Notes:

1. The live load used in establishing the Inventory Rating shall be one of the standard AASHTO vehicles or the maximum legal loads of the State.
2. In Table 1, the Inventory Rating is the coded HS rating or its equivalent. If the comparable HS equivalent is not calculated, a factor to determine the HS equivalent will be used.
3. Those agencies which have used other than an HS loading for calculating the inventory rating may use the following purposely conservative factors to convert to an equivalent coded HS rating load for use with Table 1.

ILLINOIS HIGHWAY INFORMATION SYSTEM

STRUCTURE INFORMATION AND PROCEDURE MANUAL

ITEM NAME **STRUCTURAL EVALUATION**

ITEM NO.	67
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EFF. DATE	07/01/02

1st digit of Item 66

Multiply 2nd and 3rd digits by

1	1.25
2	1.00
3	1.20
4	1.00
5	.70
6	.64
9	1.00

- 4. All bridges on the Interstate system shall be evaluated using the ADT column of > 5000 regardless of the actual ADT on the bridge.**

Table 1. Rating by Comparison of ADT - Item 29
and Inventory Rating - Item 66 (A, B & B1)

Structural Evaluation Rating Code	Inventory Rating		
	Average Daily Traffic (ADT)		
	0 -- 500	501 -- 5000	> 5000
9	> 236 * (HS20) **	> 236 (HS20)	> 236 (HS20)
8	= 236 (HS20)	= 236 (HS20)	= 236 (HS20)
7	≥ 231 (HS17)	≥ 231 (HS17)	≥ 231 (HS17)
6	≥ 223 (HS13)	≥ 225 (HS14)	≥ 227 (HS15)
5	≥ 218 (HS10)	≥ 220 (HS11)	≥ 222 (HS12)
4	≥ 212 (HS7)	≥ 214 (HS8)	≥ 218 (HS10)
3	Inventory rating less than value in rating code of 4 and requiring corrective action. (See Item 75A)		
2	Inventory rating less than value in rating code of 4 and requiring replacement. (See Item 75A)		
0	Bridge closed.		

* Coded HS Rating Load (typical)

** HS Designation (typical)